BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT
SINCE 1955

April 21, 2011

Mariya Semeit,
Safety & Environmental Supervisor
Sims Metal Management
699 Seaport Boulevard
Redwood, CA 94063

Dear Ms. Semeit:

Enclosed are the results of the source tests that this District conducted on your *hammer Mill Shredder (S-1) abated by Cyclones, Scrubber & Packed Tower (A-3 thru 5)* on *March 23, 2011.*

These data are considered to be representative of the emissions from this source for the operating parameters described during the test times and are forwarded as a courtesy for your information.

Your cooperation with our test personnel is appreciated. Please contact Charles McClure, Supervising Air Quality Engineer, if you have any questions regarding these data.

Sincerely,

Ken Kunaniec

Ken Kunaniec
Air Quality Engineering Manager

KK:CM:ge

Enclosure

Distribution:
Firm
Permit Services
Requester

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 Ellis Street
San Francisco, California 94109
(415) 771-6000

SUMMARY OF SOURCE TEST RESULTS

Report No. 11183
Test Date: 3/23/11

Test Times:
Run A : 1650 - 1750 60 min
Run B : 2029 - 2129 60 min
Run C : 2218 - 2318 60 min

Source Information

Firm Name and Address:
Sims Metal Management
699 Seaport Boulevard
Redwood, CA 94063

Firm Representative and Title:
Mariya Semeit
Safety & Environmental Supervisor
Phone No. (650) 369-4161

Source: Hammer Mill Shredder (S-1) abated by Cyclones, Scrubber & Packed Tower (A-3 thru 5)
Site No. A5152 Permit No.
Operates Batch
8 hrs./day & 298 days/year

Permit Condition:
ID No. 3884; Particulate emissions not exceed 0.01 grains/dscf

BAAQMD Representatives

Source Test Team:
M. Hernandez
M. Wiley

Permit Services/Enforcement Division:
H. Doss / Ron Carey

Test Requested by:
R. Carey, (Request)
J. Marvin

Operating Parameters: The hammer mill shredder was operating at a rate of 157 ton/hr. Feed was composed of car-bodies, appliances and miscellaneous scrap metal to produce shredded steel. The average water flowrate at the scrubber was 550 gal/min.

Applicable Regulations: 2-1-307 | VN Recommended: NO

Source Test Results and Comments:

METHOD	PARAMETER	RUN A	RUN B	RUN C	AVERAGE	LIMIT
ST-17	Volume Flow Rate, SDCFM	34,200	43,300	39,000	38,800	
	Stack Temperature, °F	70	71	76	72	
ST-23	Water Content, volume %	2.5	2.5	2.9	2.6	
EPA-5	Front Half (FH) Particulate, gr/SDCF	<0.002	<0.002	<0.002	<0.002	0.01
	FH Particulate, lb./hr.	<0.59	<0.74	<0.67	<0.29	
	Back Half (BH) Particulate, gr/SDCF*	<0.002	<0.002	<0.002	<0.002	
	BH Particulate, lbs./hr.*	<0.59	<0.74	<0.67	<0.67	
	Isokinetic Ratio, act/theo	106%	101%	101%		

Note: Sampling was conducted at a single traverse point for each run due to plant safety requirements. Each run sampled a different traverse point.
A "<" indicates values that are less than the method detection limit.
* Back half particulate refers to particulate that condenses in the impingers, or back half of the sample train.
Stack gas composition is the same as ambient air.

Air Quality Engineer	Date	Supervising Air Quality Engineer	Date	Approved by Air Quality Engineering Manager	Date
M. Hernandez	April 18-11	C. McClure II	4/18/11	K. Kunaniec	4/25/11

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